

SCHOTT SpectraNova™ Light Sources

Excellent color rendering and high-intensity light output for display cases, using metal halide lamps

SCHOTT designed its family of SpectraNova light sources to meet a wide range of display case lighting needs—and to provide these benefits:

- Compact, innovative design
- Low power consumption
- Very low noise
- Low maintenance
- Quick, easy and tool-less lamp change
- 70W and 150W models with outstanding color rendering (SEF and SES models)
- 100W and 150W models offering high-intensity output (BE models)
- ROHS conform. WEEE-Reg.-No. DE 14542729



ORDERING CODES

Please order light source, lamp, and mains lead as separate items.

SpectraNova 70SEF	Light source for standard harnesses with a glass shield	1113135
SpectraNova 70SES	Light source for standard harnesses with a shutter	1113136
SpectraNova 150SEF	Light source for standard harnesses with a glass shield	1113137
SpectraNova 150SES	Light source for SpectraFlex®-Excel harnesses with a shutter	1113138
SpectraNova 100BE	Light source for SpectraFlex-Excel harnesses 90-240V 50-60Hz, lamp included	1089852
SpectraNova 150BE	Light source for SpectraFlex-Excel harnesses 90-240V 50-60Hz, lamp included	1089853



ACCESSORIES

SpectraNova lamp 70SEF/SES (3000K)	6007196
SpectraNova lamp 70SEF/SES (4200K)	6005409
SpectraNova lamp 150SEF/SES (3000K)	6004177
SpectraNova lamp 150SEF/SES (4200K)	6004176
SpectraNova lamp 100BE (5200K)	6016042
SpectraNova lamp 150BE (4200K)	6015959
Installation bracket (pair)	1019801
Mains lead EU 2 m (6 ft) IEC-type with molded Schuko plug	6005444
Mains lead UK 2 m (6 ft) IEC-type with molded UK plug	6005445
Mains lead USA 2 m (6 ft) IEC-type with molded US plug	6005446
Mains lead Japan 2 m (6 ft) IEC-type with Japan plug	6061690

SCHOTT
glass made of ideas

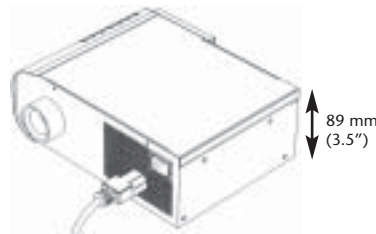
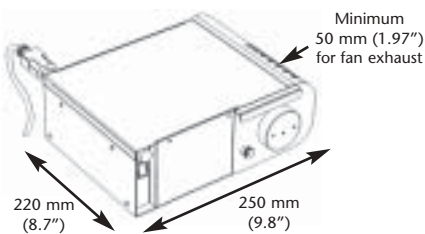
Specifications

SpectraNova™ light sources

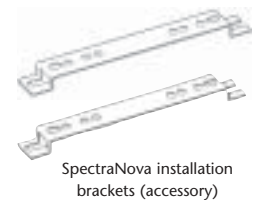
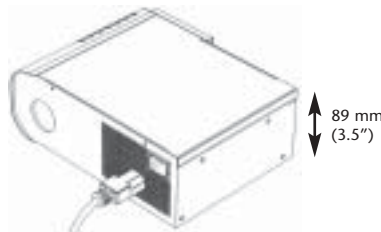
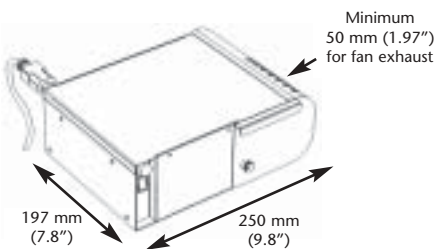
	Units	70SEF		70SES		150SEF		150SES		100BE	150BE
Power of lamp	W	70		70		150		150		100	150
Color temperature of lamp	K	3000	4200	3000	4200	3000	4200	3000	4200	5200	4200
Color rendering	Ra	83	92	83	92	85	96	85	96	72	75
Lightflux through aperture 10/25 mm in recom. oper. distance (typical)	lm	510/1670	400/1610	640/2060	470/1790	640/2550	1000/3370	790/3140	1220/4110	990/3230	1540/4820
Service life of lamp (typical)	h	12,000		12,000		12,000	6000	12,000	6000	6000	4000
Lamp socket		G12		G12		G12		G12		AMP 3 pole	AMP 5 pole
Power supply		Internal electronic ballast									
Supply voltage	V	85 - 265									
Supply frequency	Hz	45 - 65									
Power consumption	W	78		78		170	170		120	170	
Fuse		20 x 5 mm T4.0 L 250V									
Thermal protection		Automatic reset									
Cooling		Low-speed axial fan, 12dB (A)									
Certification		CE (EN 60598-1), UL (UL153, file no. E 211291), DENAN									
Operating temperature	°C (°F)	<+50 (+122)									
Glass shield/shutter		SEF models have KG 1 heat filter/shield, SES models have metal shutter								KG 1 heat filter/shield	
Dimensions (W x H x D)	mm (in)	250 x 89 x 220 (9.8 x 3.5 x 8.7)								250 x 89 x 197 (9.8 x 3.5 x 7.8)	
Weight	kg (lb)	2.7 (5.9)									
Harness connector	mm	SEF - 30 standard harness, SES - 30 Excel harness								30 Excel harness	
Environment		Dry locations only									

™SpectraNova is a trademark of SCHOTT AG.

SpectraNova SEF/SES models



SpectraNova BE models



For further information, please contact your local SCHOTT sales office.

Fiber Optics
SCHOTT AG
 Otto-Schott-Strasse 2
 55127 Mainz
 Germany
 Tel: +49 (0) 6131/66-0
 Fax: +49 (0) 6131/66-7846
 E-mail: fiberoptics.info@schott.com
www.schott.com/fiberoptics

Fiber Optics
SCHOTT North America, Inc.
 122 Charlton Street
 Southbridge
 MA 01550 USA
 Tel: +1 508 765 3235
 Fax: +1 508 764 7361
 E-mail: LSOinfo@us.schott.com
www.us.schott.com/fiberoptics

Fiber Optics
SCHOTT Nippon K.K.
 7 Honshio-cho
 Shinjuku-ku
 Tokyo 160-00 03 Japan
 Tel: +81 (0) 3/53 66-2548
 Fax: +81 (0) 3/33 58-2960
 E-mail: fiberoptics.tokyo@schott.com
www.schott.com/japan

In a continuing effort to offer the best product possible, SCHOTT reserves the right to change, without notice, specifications or materials that—in SCHOTT's opinion—will not alter the function of the product.

SCHOTT
 glass made of ideas